



INTELLECTUAL PROPERTY DEPARTMENT  
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July 25, 2003

FILE NO: 56162.000437



### UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket Number: **56162.000437**

First Named Inventor: **Albert RAPPAPORT et al**

Title: **Power Spectral Density Masks for ADSL+**

TO: **MAIL STOP PATENT APPLICATION**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached are the following for filing with the U.S. Patent and Trademark Office:

1. ☒ Fee Transmittal Form (original and duplicate)
2. ☐ Small Entity Status Claimed: ☐ Independent Inventor  
☐ Small Business Concern  
☐ Non-Profit Organization  
☐ Statement Enclosed  
☐ Statement Filed in Prior Application; Status Still Proper and Desired
3. ☒ Specification - Total Pages: 87 (Including Abstract)

CLAIMS AS FILED						
	Claims Filed	Basic Fee Claims	Extra	Rate		Amount
				Large Entity	Small Entity	
Total Claims	12	20	0	\$ 18.00	\$ 9.00	\$ 0.00
Independent Claims	12	3	9	\$ 84.00	\$ 42.00	\$ 756.00
First Presentation of Multiple Dependent Claims				\$ 280.00	\$ 140.00	\$ 0.00
<b>BASIC FEE</b>				\$ 750.00	\$ 375.00	\$ 750.00
<b>TOTAL FILING FEE</b>						\$ 1506.00
Assignment Recordation Fee						\$ 0.00
<b>TOTAL AMOUNT</b>						<b>\$ 1506.00</b>

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4. ☒ Drawings - Total Sheets: 26 (Fig(s). 1 - 26)
5. Oath or Declaration - Total Pages: 4
- a. ☐ Newly executed (original or copy)  
☒ New (unexecuted)
- b. ☐ Copy from a prior application  
(for continuation/divisional with Box 18 completed)
- i. ☐ DELETION OF INVENTOR(s):  
Signed statement attached deleting inventor(s) named in prior application.
6. ☐ Application Data Sheet
7. ☐ CD-ROM or CD-R in duplicate, large table or Microfiche Computer Program (Appendix)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (two copies); or
- ii. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statements verifying identity of above copies
9. ☐ Assignee/Applicant: \_\_\_\_\_  
\_\_\_\_\_



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- ☐ Assignment and Assignment Recordation Form Submitted Herewith
- ☐ Assignee of Record in Prior Application No. \_\_\_\_\_ :  
\_\_\_\_\_  
recorded on \_\_\_\_\_ at Reel \_\_\_\_\_, Frame \_\_\_\_\_.
10. ☐ 37 C.F.R. 3.73(b) Statement ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement with PTO-1449 and References  
☐ Copies of Information Disclosure Statement Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard
15. ☐ Priority is Claimed as Follows:  
\_\_\_\_\_  
\_\_\_\_\_  
☒ Claim Benefit of the Following U.S. Provisional Application No(s).:  
60/398,124 filed July 25, 2002  
60/399,135 filed July 30, 2002
- ☐ If Foreign Priority is Claimed, Certified Copy of the Above Priority Document(s) is Submitted Herewith
16. ☐ Nonpublication Request under 35 U.S.C. § 122(b)(2)(B)(i). Applicant must attach Form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_
18. ☐ Continuation ☐ Divisional ☐ Continuation-in-Part of  
Prior Application No.: \_\_\_\_\_ filed \_\_\_\_\_



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Prior application information: Examiner \_\_\_\_\_ Group Art Unit \_\_\_\_\_

- ☐ Incorporation By Reference (useable if Box 5b is marked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application papers.
- ☐ Complete Application Based on Provisional Application No.: \_\_\_\_\_  
filed \_\_\_\_\_

19. Please address all correspondence to:

- ☒ **CUSTOMER NUMBER**  
**21967**
- ☒ **Kevin T. Duncan, Esq.**  
Intellectual Property Department  
Hunton & Williams LLP  
1900 K Street, N.W.  
Suite 1200  
Washington, DC 20006-1109

20. ☐ A new power of attorney or authorization of agent (PTO/SB/81) is as follows:
- ☒ The power of attorney is to: the Hunton & Williams, LLP attorneys and agents associated with **CUSTOMER NUMBER 21967**.
- ☐ Please remove as power of attorney:
- ☐ Please add as power of attorney:
21. ☐ A check in the amount of \$ \_\_\_\_\_ is enclosed. In the event any variance exists between the amount enclosed and the Patent Office charges, please charge or credit any such variance to **Deposit Account No. 50-0206**.



**MAIL STOP PATENT APPLICATION**

July 25, 2003

Page 5

☒ The U.S. Patent and Trademark Office is hereby authorized to charge any variance between the amount enclosed and the Patent Office charges to **Deposit Account No. 50-0206**.

Respectfully submitted,

By:

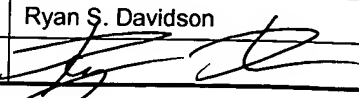
A handwritten signature in black ink, appearing to read "Ryan S. Davidson", written over a horizontal line.

Ryan S. Davidson

Registration No. 51,596

RSD/cyc

Enclosures

<b>FEE TRANSMITTAL</b>  <b>MAIL STOP PATENT APPLICATION</b>		Complete If Known																																							
		Application No.		TBA																																					
		Filing Date		July 25, 2003																																					
		First Named Inventor		Avi RAPPAPORT et al																																					
		Examiner Name		TBA																																					
		Group Art Unit		TBA																																					
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METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)																																					
1. <input checked="" type="checkbox"/> The Commissioner for Patents is hereby authorized to charge indicated fees and credit any over payments to <b>Deposit Account No. 50-0206</b> in the name of Hunton & Williams LLP.				3. <b>ADDITIONAL FEES</b>																																					
				<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Fee Description</td> <td style="width: 40%; text-align: right;">Fee Paid</td> </tr> <tr> <td><input type="checkbox"/> Surcharge - late filing fee or oath</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Surcharge - late provisional filing fee or cover sheet</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> _____ Month Extension of Time</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Notice of Appeal</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Filing Brief in Support of Appeal</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Request for Oral Hearing</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Utility Issue Fee (or Reissue) (including Publication Fee, if necessary)</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Design Issue Fee</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Plant Issue Fee</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Petition to Commissioner</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Petition to Revive (Unavoidable)</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Petition to Revive (Unintentional)</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Petitions Related to Provisional Applications</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Submission of Information Disclosure Statement</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Filing Submission After Final Rejection</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Recording Each Patent Assignment Per Property</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Filing Request for Reexamination</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Other (specify) _____</td> <td style="text-align: right;">\$</td> </tr> </table>				Fee Description	Fee Paid	<input type="checkbox"/> Surcharge - late filing fee or oath	\$	<input type="checkbox"/> Surcharge - late provisional filing fee or cover sheet	\$	<input type="checkbox"/> _____ Month Extension of Time	\$	<input type="checkbox"/> Notice of Appeal	\$	<input type="checkbox"/> Filing Brief in Support of Appeal	\$	<input type="checkbox"/> Request for Oral Hearing	\$	<input type="checkbox"/> Utility Issue Fee (or Reissue) (including Publication Fee, if necessary)	\$	<input type="checkbox"/> Design Issue Fee	\$	<input type="checkbox"/> Plant Issue Fee	\$	<input type="checkbox"/> Petition to Commissioner	\$	<input type="checkbox"/> Petition to Revive (Unavoidable)	\$	<input type="checkbox"/> Petition to Revive (Unintentional)	\$	<input type="checkbox"/> Petitions Related to Provisional Applications	\$	<input type="checkbox"/> Submission of Information Disclosure Statement	\$	<input type="checkbox"/> Filing Submission After Final Rejection	\$	<input type="checkbox"/> Recording Each Patent Assignment Per Property	\$
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SUBMITTED BY						Complete (if applicable)																																			
Typed or Printed Name		Ryan S. Davidson			Registration No.		51,596																																		
Signature					Date		July 25, 2003																																		